

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	380	(607/17).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 07:25
S2	44	("4257423"   "4374382"   "4428378"   "4556063"   "4600017"   "4708143"   "4763646"   "5012815"   "5024222"   "5025809"   "5052388"   "5127404"   "5156157"   "5183040"   "5301679"   "5334220"   "5334222"   "5340361"   "5411531").PN. OR ("5554177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 15:18
S3	310	(600/513).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/15 15:46
S4	136	defibril\$9 and server and audio	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 15:46
S5	140	(US-20010025137-\$ or US-20020058969-\$ or US-20030100925-\$ or US-20030105497-\$ or US-20030105496-\$ or US-20030105495-\$ or US-20030181952-\$ or US-20030199957-\$ or US-20030199936-\$ or US-20030199934-\$ or US-20030199933-\$ or US-20030199779-\$ or US-20030208240-\$ or US-20030233132-\$ or US-20040049238-\$ or US-20040102814-\$ or US-20040106961-\$ or US-20040106960-\$ or US-20010022615-\$ or US-20010056245-\$ or US-20020032384-\$ or US-20030120164-\$ or US-20030176800-\$ or US-20040116819-\$ or US-20040158163-\$ or US-20040167416-\$).did. or (US-20010031997-\$ or US-20020026223-\$ or US-20020052539-\$ or US-20020082665-\$ or US-20020158775-\$ or US-20030093127-\$ or US-20040116981-\$ or US-20040122488-\$ or US-20040122487-\$ or US-20040122486-\$ or US-20040122485-\$ or US-20040122484-\$ or US-20040122297-\$ or US-20040147969-\$ or US-20040167580-\$).did. or (US-4719921-\$ or US-4730619-\$ or US-4770177-\$ or US-4773401- \$ or US-4867163-\$ or US-4867162-\$ or US- 4867161-\$ or US-4873980-\$ or US-5014698-\$ or US-5144949-\$ or US-5312455-\$ or US- 5330513-\$ or US-5395393-\$ or US-5425750-\$ or US-5496351-\$ or US-5554177-\$ or US- 4428378-\$ or US-4600017-\$ or US-4763646-\$ or US-5012815-\$ or US-5025809-\$ or US- 5052388-\$ or US-5183040-\$ or US-5334222-\$ or US-5836987-\$ or US-6044298-\$).did. or (US- 6144880-\$ or US-6351673-\$ or US-6477406-\$ or US-6527729-\$ or US-6542775-\$ or US- 6643548-\$ or US-6684103-\$ or US-6792308-\$ or US-6856836-\$ or US-6859665-\$ or US- 5584868-\$ or US-5609612-\$ or US-5626140-\$ or US-5645575-\$ or US-5674256-\$ or US- 5693075-\$ or US-5755740-\$ or US-5792195-\$	US-PGPUB; USPAT	OR	ON	2005/08/15 17:39

		or US-5792194-\$ or US-5964788-\$ or US-6044297-\$ or US-6058329-\$ or US-6216537-\$ or US-6269268-\$ or US-6272381-\$ or US-6275727-\$ or US-6366811-\$).did. or (US-6421565-\$ or US-6449509-\$ or US-6519494-\$ or US-RE31097-\$ or US-4425921-\$ or US-4549552-\$ or US-4576178-\$ or US-4635645-\$ or US-4989610-\$ or US-5238001-\$ or US-5299118-\$ or US-5309917-\$ or US-5321618-\$ or US-5331549-\$ or US-5337752-\$ or US-5339822-\$ or US-5339821-\$ or US-5368040-\$ or US-5447164-\$ or US-5544661-\$ or US-5576952-\$ or US-5579775-\$ or US-5584297-\$ or US-5735286-\$ or US-5794623-\$ or US-5825895-\$ or US-5935081-\$).did. or (US-6026324-\$ or US-6077236-\$ or US-6095985-\$ or US-6132381-\$ or US-6152884-\$ or US-6174283-\$ or US-6477405-\$ or US-6572544-\$ or US-6731973-\$ or US-6757392-\$ or US-6829501-\$ or US-5832488-\$ or US-5941829-\$ or US-6050940-\$ or US-6221011-\$ or US-6248080-\$ or US-6302844-\$ or US-6405083-\$ or US-6418346-\$).did.				
S6	59	S5 and real adj time	US-PGPUB; USPAT	OR	ON	2005/08/15 16:07
S7	0	S5 and (real adj time) and (ecg or ekg) and epg	US-PGPUB; USPAT	OR	ON	2005/08/15 16:08
S8	0	S5 and (ecg or ekg) and epg	US-PGPUB; USPAT	OR	ON	2005/08/15 16:08
S9	22	S5 and (ecg or ekg) and microphone	US-PGPUB; USPAT	OR	ON	2005/08/15 16:08
S10	12	S5 and (ecg or ekg) and microphone and (real adj time)	US-PGPUB; USPAT	OR	ON	2005/08/15 16:08
S11	29	US-6622046-\$.DID. OR US-6615083-\$.DID. OR US-6607509-\$.DID. OR US-6564106-\$.DID. OR US-6522915-\$.DID. OR US-6512940-\$.DID. OR US-6438410-\$.DID. OR US-6280462-\$.DID. OR US-6148230-\$.DID. OR US-6055454-\$.DID. OR US-6044298-\$.DID. OR US-5957956-\$.DID. OR US-5916243-\$.DID. OR US-5895414-\$.DID. OR US-5827326-\$.DID. OR US-5724984-\$.DID. OR US-5704365-\$.DID. OR US-5697953-\$.DID. OR US-5662688-\$.DID. OR US-5641326-\$.DID. OR US-5634938-\$.DID. OR US-5620466-\$.DID. OR US-5603732-\$.DID. OR US-5545202-\$.DID. OR US-5531779-\$.DID. OR US-5468254-\$.DID. OR US-5441518-\$.DID. OR US-5439482-\$.DID. OR US-5411525-\$.DID.	US-PGPUB; USPAT	OR	ON	2005/08/15 17:44
S12	29	US-5397342-\$.DID. OR US-5391200-\$.DID. OR US-5388578-\$.DID. OR US-5372606-\$.DID. OR US-5366496-\$.DID. OR US-5360442-\$.DID. OR US-5331966-\$.DID. OR US-5314459-\$.DID. OR US-5314430-\$.DID. OR US-5313953-\$.DID. OR US-5301677-\$.DID. OR US-5292338-\$.DID. OR US-5284136-\$.DID. OR US-5261400-\$.DID. OR US-5230337-\$.DID. OR US-5209229-\$.DID. OR US-5203348-\$.DID. OR US-5179945-\$.DID. OR US-5170784-\$.DID. OR US-0133353-\$.DID. OR US-5036849-\$.DID. OR US-4953551-\$.DID. OR US-0456284-\$.DID. OR US-6480733-\$.DID. OR US-6415174-\$.DID. OR US-6409675-\$.DID. OR	US-PGPUB; USPAT	OR	ON	2005/08/15 17:54

		US-6491639-\$.DID. OR US-6650940-\$.DID. OR US-5549652-\$.DID.				
S13	1	("6477406").PNL	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/15 17:56
S14	1	("6044298").PNL	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/15 17:56
S15	4759	((607/6,18,4,5,6,17,19,20,23) or (600/528,595,586,561,510,513)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 07:26
S16	65	S15 and \$sono\$	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 07:54
S17	0	(60/156601).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 07:42
S18	2	"60156601"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 07:42
S19	64	S15 and \$phono\$8	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 07:55
S20	60	S15 and \$phono\$8 not S16	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 11:44
S21	4759	((607/6,18,4,5,6,17,19,20,23) or (600/528,595,586,561,510,513)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 11:45
S22	0	S21 and sound and telem	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 11:45
S23	206	S21 and sound and telem\$6	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 11:45
S24	156	S23 and implant\$6	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 11:45
S25	169	(US-20010022615-\$. or US-20010025137-\$. or US-20010031997-\$. or US-20010056245-\$. or US-20020026223-\$. or US-20020032384-\$. or US-20020052539-\$. or US-20020058969-\$. or US-20020082665-\$. or US-20020158775-\$. or US-20030093127-\$. or US-20030100925-\$. or US-20030105495-\$. or US-20030105496-\$. or US-20030105497-\$. or US-20030120164-\$. or US-20030176800-\$. or US-20030181952-\$. or US-20030199779-\$. or US-20030199933-\$. or US-20030199934-\$. or US-20030199936-\$. or US-20030199957-\$. or US-20030208240-\$. or US-20030233132-\$. or US-20040049238-\$.).did. or (US-20040102814-\$. or US-20040106960-\$. or US-20040106961-\$. or US-20040116819-\$. or US-20040116981-\$. or US-20040122297-\$. or US-20040122484-\$. or US-20040122485-\$. or US-20040122486-\$. or US-20040122487-\$. or US-20040122488-\$. or US-20040147969-\$. or US-20040158163-\$. or US-20040167416-\$. or US-20040167580-\$. or US-20020052559-\$. or	US-PGPUB; USPAT	OR	ON	2005/08/16 16:00

		US-20030144703-\$ or US-20020151812-\$ or US-20030078621-\$).did. or (US-4425921-\$ or US-4428378-\$ or US-4549552-\$ or US-4576178-\$ or US-4600017-\$ or US-4635645-\$ or US-4719921-\$ or US-4730619-\$ or US-4763646-\$ or US-4770177-\$ or US-4773401-\$ or US-4867161-\$ or US-4867162-\$ or US-4867163-\$ or US-4873980-\$ or US-4989610-\$ or US-5012815-\$ or US-5014698-\$ or US-5025809-\$ or US-5052388-\$ or US-5144949-\$ or US-5183040-\$ or US-5238001-\$ or US-5299118-\$ or US-5309917-\$ or US-5312455-\$).did. or (US-5321618-\$ or US-5330513-\$ or US-5331549-\$ or US-5334222-\$ or US-5337752-\$ or US-5339821-\$ or US-5339822-\$ or US-5368040-\$ or US-5395393-\$ or US-5425750-\$ or US-5447164-\$ or US-5496351-\$ or US-5544661-\$ or US-5554177-\$ or US-5576952-\$ or US-5579775-\$ or US-5584297-\$ or US-5584868-\$ or US-5609612-\$ or US-5626140-\$ or US-5645575-\$ or US-5674256-\$ or US-5693075-\$ or US-5735286-\$ or US-5755740-\$ or US-5792194-\$ or US-5792195-\$).did. or (US-5794623-\$ or US-5825895-\$ or US-5832488-\$ or US-5836987-\$ or US-5935081-\$ or US-5941829-\$ or US-5964788-\$ or US-6026324-\$ or US-6044297-\$ or US-6044298-\$ or US-6050940-\$ or US-6058329-\$ or US-6077236-\$ or US-6095985-\$ or US-6132381-\$ or US-6144880-\$ or US-6152884-\$ or US-6174283-\$ or US-6216537-\$ or US-6221011-\$ or US-6248080-\$ or US-6269268-\$ or US-6272381-\$ or US-6275727-\$ or US-6302844-\$ or US-6351673-\$ or US-6366811-\$).did. or (US-6405083-\$ or US-6418346-\$ or US-6421565-\$ or US-6438410-\$ or US-6449509-\$ or US-6477405-\$ or US-6477406-\$ or US-6491639-\$ or US-6519494-\$ or US-6527729-\$ or US-6542775-\$ or US-6572544-\$ or US-6643548-\$ or US-6650940-\$ or US-6684103-\$ or US-6731973-\$ or US-6757392-\$ or US-6792308-\$ or US-6829501-\$ or US-6856836-\$ or US-6859665-\$ or US-RE31097-\$ or US-5213108-\$ or US-5360005-\$ or US-4154230-\$ or US-5685317-\$ or US-6915157-\$).did. or (US-3552381-\$ or US-3799147-\$ or US-4378022-\$ or US-4428380-\$ or US-4594731-\$ or US-4628939-\$ or US-4672976-\$ or US-5086776-\$ or US-5860933-\$ or US-6360127-\$ or US-4771780-\$ or US-4981139-\$ or US-5999851-\$ or US-6006132-\$ or US-6044299-\$ or US-6102874-\$ or US-6453201-\$).did.				
S26	7	S25 and abdomen	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 16:51
S27	15	S25 and piezoelectric and microphone	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 18:15
S28	1	("4867163").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 18:15

S29	1	("4867163").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 10:36
S30	7	((("4614192") or ("4867163") or ("5321618") or ("5935081") or ("5941829") or ("6477406") or ("20020026223")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 14:20
S31	23913	("607").QLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/15 13:48
S32	0	stethoscope	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:48
S33	2443	stethoscope	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:48
S34	61	S31 and S33	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:52
S35	1	("4088138").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/15 13:52
S36	16	("4109223"   "4298863"   "4338951"   "4578628"   "4598281"   "4687004"   "4715385"   "4763663"   "4803996"   "4872139"   "4888864"   "5010889"   "5044365").PN. OR ("5411534").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 14:00
S37	89	("3830228"   "4170717"   "4220160"   "4226248"   "4246794"   "4270547"   "4321929"   "4362164"   "4396018"   "4404974"   "4417306"   "4422458"   "4425921"   "4438772"   "4459993"   "4483346"   "4494551"   "4506678"   "4531523"   "4537202"   "4565201"   "4566461"   "4569356"   "4569357"   "4586514"   "4598417"   "4619268"   "4624263"   "4635645"   "4649930"   "4671295"   "4672975"   "4672976"   "4672977"   "4679570"   "4686999"   "4705048"   "4712565"   "4719923"   "4720866"   "4759374"   "4763663"   "4770189"   "4777961"   "4781200"   "4784153"   "4784154"   "4792145"   "4803996").PN. OR ("5010889").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 14:05
S38	39	("1686504"   "3181528"   "3888238"   "4002161"   "4008711"   "4029083"   "4079198").PN. OR ("4226248").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 14:58
S39	1086	((607/17) or (600/513,528)).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/15 14:59
S40	1	("5737429").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/15 15:17
S41	1	("4867163").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/28 15:55
S42	1	("4867163").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/01 09:44

S43	1	("4258724").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/01 10:54
S44	529	"607".clas. and braid	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 10:54
S45	1558	"607".clas. and lead with coronary	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 10:55
S46	3535	(607/115-132).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/01 10:55
S47	274	S44 and S46	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 10:57
S48	1	("5231566").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/01 10:58
S49	1	("5231966").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/01 10:58
S50	1	("5231996").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/01 11:00
S51	0	("003and4").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/01 11:00
S52	410	S45 and S46	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/01 11:00
S53	1	("4867163").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/03 16:58
S54	3	((("4867163") or ("4763646") or ("5888187"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/18 19:25
S55	78	(600/514).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/05 14:32
S56	20	("20040230243"   "20050043763"   "20070049975"   "20070049977"   "20070156190"   "4180078"   "4438772"   "4672977"   "5163427"   "5188105"   "5372139"   "5470345"   "5554177"   "5683432"   "6236882"   "6478744"   "6527729"   "6869404"   "7035684"   "7424321").PN. OR ("7682316").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 14:37
S57	4	("20040220487"   "4840183"   "6527729"   "7260429").PN. OR ("7668589").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 14:37
S58	17	("20020151938"   "20030105497"   "20040167416"   "20040220460"   "20040230129"   "20040230229"   "5331966"   "5836987"   "6174278"   "6198952"   "6400982"   "6409675"   "6440082"   "6477406"   "6527729"   "6752765"   "6869404").PN. OR ("7559900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 14:38

S59	127	("20020001390"   "20020035337"   "20020082645"   "20020107450"   "20020147401"   "20020151812"   "20020151938"   "20030055352"   "20030069608"   "20030072458"   "20030078624"   "20030093002"   "20030093003"   "20030105497"   "20030120159"   "20030158492"   "20030176896"   "20030208240"   "20030216620"   "20030229289"   "20040024423"   "20040039295"   "20040039419"   "20040039420"   "20040064056"   "20040073093"   "20040106960"   "20040106961"   "20040122484"   "20040127792"   "20040138572"   "20040167417"   "20040215264"   "20040225332"   "20040236239"   "20040254481"   "20040267147"   "20040267148"   "20050027323"   "20050033190"   "20050060001"   "20050102001"   "20050148896"   "20050148897"   "20050149136"   "20060020294"   "20060020295"   "20060025699"   "20060161070"   "20060282000"   "4094308"   "4289141"   "4428380"   "4446872"   "4548204"   "4628939"   "4649930"   "4763646"   "4905706"   "4915113"   "4967760"   "4981139"   "4989611"   "5010889"   "5025809"   "5159932"   "5218969"   "5301679"   "5337752"   "5472453"   "5496361"   "5544661"   "5554177"   "5593431"   "5674256"   "5685317"   "5687738"   "5697375"   "5700283"   "5725562"   "5792195"   "5836987"   "5860933"   "5911738"   "5935081"   "5991661"   "6002777"   "6022963"   "6044297"   "6044298"   "6044299"   "6053872"   "6058329"   "6064910"   "6076015"   "6077227"   "6152884"   "6193668"   "6208900"   "6298269"   "6351672"   "6366811"   "6368283"   "6409675"   "6415033"   "6440082"   "6466821"   "6477406" ).FN. OR ("6478746"   "6520924"   "6527729"   "6567700"   "6625493"   "6626842"   "6643548"   "6650940"   "6658292"   "6665564"   "6795732"   "6810287"   "6824519"   "6845263"   "6885889"   "7115096"   "7123962"   "7248923" ).FN. OR ("7424321" ).URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 14:39
S60	13	("20040032957"   "20040039420"   "4362164" "4528689"   "4576179"   "5086776"   "5685317"   "5727549"   "5813404"   "6050950"   "6757392"   "7110804"   "7181628" ).FN. OR ("7302290" ).URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 14:40

S61	41	( "20020151938"   "20030208240"   "20040106960"   "20040122484"   "20040127792"   "4428380"   "4628939"   4905706"   "4967760"   "4981139"   5025809"   "5301679"   "5337752"   5554177"   "5674256"   "5687738"   5700283"   "5792195"   "5836987"   5860933"   "5935081"   "6044298"   6044299"   "6058329"   "6193668"   6272377"   "6409675"   "6477406"   6478746"   "6480733"   "6491639"   6520924"   "6527729"   "6626842"   6643548"   "6810287" ).PN. OR ("7260429"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 14:41
S62	152	( "20020001390"   "20020035337"   "20020082645"   "20020091415"   "20020107450"   "20020147401"   "20020151812"   "20020151938"   "20030014083"   "20030055461"   "20030069608"   "20030072458"   "20030078624"   "20030093002"   "20030093003"   "20030120159"   "20030125774"   "20030144702"   "20030144703"   "20030158584"   "20030176896"   "20030208240"   "20030216620"   "20030229289"   "20030233132"   "20040024423"   "20040039295"   "20040039419"   "20040039420"   "20040064056"   "20040073093"   "20040078059"   "20040078060"   "20040102712"   "20040106960"   "20040106961"   "20040106962"   "20040111040"   "20040122484"   "20040127792"   "20040138572"   "20040167417"   "20040215264"   "20040225332"   "20040236239"   "20040254481"   "20040267147"   "20040267148"   "20050027323"   "20050033190"   "20050060001"   "20050065448"   "20050137631"   "20050148896"   "20050148897"   "20050149136"   "20050256542"   "20060020295"   "20060025699"   "20060030892"   "20060041280"   "20060161070"   "20060270939"   "4094308"   "4289141"   4428378"   "4446872"   "4548204"   4649930"   "4686987"   "4702253"   4763646"   "4796639"   "4905706"   4915113"   "4945909"   "4981139"   4989611"   "5159932"   "5179947"   5331768"   "5472453"   "5496361"   5554177"   "5593431"   "5674256"   5685317"   "5687738"   "5697375"   5700283"   "5725562"   "5792195"   5836987"   "5935081"   "5991661"   6002777"   "6044297"   "6044298"   6044299"   "6053872"   "6058329"   6064910"   "6076015"   "6144880" ).PN. OR ("6152884"   "6193668"   "6208900"   6272377"   "6273856"   "6298269"   6351672"   "6351673"   "6360127"   6366811"   "6368283"   "6409675"	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 15:10



		"6415033"   "6440082"   "6466821"   "6477406"   "6478746"   "6480733"   "6491639"   "6520924"   "6527729"   "6542775"   "6567700"   "6575916"   "6625493"   "6626842"   "6643548"   "6650940"   "6658292"   "6665564"   "6684103"   "6792308"   "6795732"   "6810287"   "6830548"   "6845263"   7020521").PN. OR ("7248923").URPN.				
S63	10	("20020151938"   "5674256"   "6643548"   "6665564").PN. OR ("7177685").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 15:11
S64	15	("20030176800"   "4362164"   "4576179"   "4777961"   "5086776"   "5685317"   "5727549"   "5813404"   "6050950"   "6217525"   "6772004").PN. OR ("7110804"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 15:11
S65	14	("3455293"   "3623479"   "4362164"   "4576179"   "4777961"   "5086776"   "5334990"   "5685317"   "5727549"   "5813404"   "6050950").PN. OR ("7010342"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 15:13
S66	62	("4316472"   "4375817"   "4379459"   "4384585"   "4476868"   "4556063"   "4577633"   "4587970"   "4726380"   "4727877"   "4763646"   "4800883"   "4821723"   "4830006"   "4880005"   "4949719"   "4953551"   "5117824"   "5131388"   "5144949"   "5158078"   "5163427"   "5188105"   "5199428"   "5207218"   "5269298"   "5312453"   "5314430"   "5330507"   "5331966"   "5334222"   "5354316"   "5496351"   "5540727"   "5545186"   "5554177"   "5584868"   "5690686"   "5700283"   "5800465"   "6188927"   "6314322").PN. OR ("6792308").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 15:16
S67	48	("4830006"   "4905706"   "5012815"   "5466254"   "5476483"   "5554177"   "5687738"   "5700283"   "6044298"   "6190324"   "6409675"   "6411840").PN. OR ("6643548").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/05 15:16
S68	106	("5935081").URPN.	USPAT	OR	ON	2010/08/05 15:19
S69	301	S66 S57 S58 S59 S60 S61 S62 S63 S64 S65 S66 S67 S68	USPAT	OR	ON	2010/08/05 15:26
S70	20	("20040230243"   "20050043763"   "20070049975"   "20070049977"   "20070156190"   "4180078"   "4438772"   "4672977"   "5163427"   "5188105"   "5372139"   "5470345"   "5554177"   "5683432"   "6236882"   "6478744"   "6527729"   "6869404"   "7035684"   "7424321").PN. OR ("7682316").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08
S71	4	("20040220487"   "4840183"   "6527729"   "7260429").PN. OR ("7668589").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08

S72	17	("20020151938"   "20030105497"   "20040167416"   "20040220460"   "20040230129"   "20040230229"   "5331966"   "5836987"   "6174278"   "6198952"   "6400982"   "6409675"   "6440082"   "6477406"   "6527729"   "6752765"   "6869404").PN. OR ("7559900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08
S73	127	("20020001390"   "20020035337"   "20020082645"   "20020107450"   "20020147401"   "20020151812"   "20020151938"   "20030055352"   "20030069608"   "20030072458"   "20030078624"   "20030093002"   "20030093003"   "20030105497"   "20030120159"   "20030158492"   "20030176896"   "20030208240"   "20030216620"   "20030229289"   "20040024423"   "20040039295"   "20040039419"   "20040039420"   "20040064056"   "20040073093"   "20040106960"   "20040106961"   "20040122484"   "20040127792"   "20040138572"   "20040167417"   "20040215264"   "20040225332"   "20040236239"   "20040254481"   "20040267147"   "20040267148"   "20050027323"   "20050033190"   "20050060001"   "20050102001"   "20050148896"   "20050148897"   "20050149136"   "20060020294"   "20060020295"   "20060025699"   "20060161070"   "20060282000"   "4094308"   "4289141"   "4428380"   "4446872"   "4548204"   "4628939"   "4649930"   "4763646"   "4905706"   "4915113"   "4967760"   "4981139"   "4989611"   "5010889"   "5025809"   "5159932"   "5218969"   "5301679"   "5337752"   "5472453"   "5496361"   "5544661"   "5554177"   "5593431"   "5674256"   "5685317"   "5687738"   "5697375"   "5700283"   "5725562"   "5792195"   "5836987"   "5860933"   "5911738"   "5935081"   "5991661"   "6002777"   "6022963"   "6044297"   "6044298"   "6044299"   "6053872"   "6058329"   "6064910"   "6076015"   "6077227"   "6152884"   "6193668"   "6208900"   "6298269"   "6351672"   "6366811"   "6368283"   "6409675"   "6415033"   "6440082"   "6466821"   "6477406").PN. OR ("6478746"   "6520924"   "6527729"   "6567700"   "6625493"   "6626842"   "6643548"   "6650940"   "6658292"   "6665564"   "6795732"   "6810287"   "6824519"   "6845263"   "6885889"   "7115096"   "7123962"   "7248923").PN. OR ("7424321").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08
S74	13	("20040032957"   "20040039420"   "4362164" "4528689"   "4576179"   "5086776"   "5685317"   "5727549"   "5813404"   "6050950"   "6757392"   "7110804"   "7181628").PN. OR ("7302290").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08

S75	41	( "20020151938"   "20030208240"   "20040106960"   "20040122484"   "20040127792"   "4428380"   "4628939"   4905706"   "4967760"   "4981139"   5025809"   "5301679"   "5337752"   5554177"   "5674256"   "5687738"   5700283"   "5792195"   "5836987"   5860933"   "5935081"   "6044298"   6044299"   "6058329"   "6193668"   6272377"   "6409675"   "6477406"   6478746"   "6480733"   "6491639"   6520924"   "6527729"   "6626842"   6643548"   "6810287" ),PN. OR ("7260429"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08
S76	152	( "20020001390"   "20020035337"   "20020082645"   "20020091415"   "20020107450"   "20020147401"   "20020151812"   "20020151938"   "20030014083"   "20030055461"   "20030069608"   "20030072458"   "20030078624"   "20030093002"   "20030093003"   "20030120159"   "20030125774"   "20030144702"   "20030144703"   "20030158584"   "20030176896"   "20030208240"   "20030216620"   "20030229289"   "20030233132"   "20040024423"   "20040039295"   "20040039419"   "20040039420"   "20040064056"   "20040073093"   "20040078059"   "20040078060"   "20040102712"   "20040106960"   "20040106961"   "20040106962"   "20040111040"   "20040122484"   "20040127792"   "20040138572"   "20040167417"   "20040215264"   "20040225332"   "20040236239"   "20040254481"   "20040267147"   "20040267148"   "20050027323"   "20050033190"   "20050060001"   "20050065448"   "20050137631"   "20050148896"   "20050148897"   "20050149136"   "20050256542"   "20060020295"   "20060025699"   "20060030892"   "20060041280"   "20060161070"   "20060270939"   "4094308"   "4289141"   4428378"   "4446872"   "4548204"   4649930"   "4686987"   "4702253"   4763646"   "4796639"   "4905706"   4915113"   "4945909"   "4981139"   4989611"   "5159932"   "5179947"   5331768"   "5472453"   "5496361"   5554177"   "5593431"   "5674256"   5685317"   "5687738"   "5697375"   5700283"   "5725562"   "5792195"   5836987"   "5935081"   "5991661"   6002777"   "6044297"   "6044298"   6044299"   "6053872"   "6058329"   6064910"   "6076015"   "6144880" ),PN. OR ("6152884"   "6193668"   "6208900"   6272377"   "6273856"   "6298269"   6351672"   "6351673"   "6360127"   6366811"   "6368283"   "6409675"	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08

		"6415033"   "6440082"   "6466821"   "6477406"   "6478746"   "6480733"   "6491639"   "6520924"   "6527729"   "6542775"   "6567700"   "6575916"   "6625493"   "6626842"   "6643548"   "6650940"   "6658292"   "6665564"   "6684103"   "6792308"   "6795732"   "6810287"   "6830548"   "6845263"   7020521").PN. OR ("7248923").URPN.				
S77	10	("20020151938"   "5674256"   "6643548"   "6665564").PN. OR ("7177685").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08
S78	15	("20030176800"   "4362164"   "4576179"   "4777961"   "5086776"   "5685317"   "5727549"   "5813404"   "6050950"   "6217525"   "6772004").PN. OR ("7110804"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08
S79	14	("3455293"   "3623479"   "4362164"   "4576179"   "4777961"   "5086776"   "5334990"   "5685317"   "5727549"   "5813404"   "6050950").PN. OR ("7010342"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08
S80	62	("4316472"   "4375817"   "4379459"   "4384585"   "4476868"   "4556063"   "4577633"   "4587970"   "4726380"   "4727877"   "4763646"   "4800883"   "4821723"   "4830006"   "4880005"   "4949719"   "4953551"   "5117824"   "5131388"   "5144949"   "5158078"   "5163427"   "5188105"   "5199428"   "5207218"   "5269298"   "5312453"   "5314430"   "5330507"   "5331966"   "5334222"   "5354316"   "5496351"   "5540727"   "5545186"   "5554177"   "5584868"   "5690686"   "5700283"   "5800465"   "6188927"   "6314322").PN. OR ("6792308").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08
S81	48	("4830006"   "4905706"   "5012815"   "5466254"   "5476483"   "5554177"   "5687738"   "5700283"   "6044298"   "6190324"   "6409675"   "6411840").PN. OR ("6643548").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:08
S82	106	("5935081").URPN.	USPAT	OR	ON	2010/08/06 14:08
S83	301	S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S80 S81 S82	USPAT	OR	ON	2010/08/06 14:08
S84	301	S83	USPAT	OR	ON	2010/08/06 14:08

S85	59	("3623486"   "3631860"   "3738369"   "406086"   "4208008"   "4432360"   "4600017"   "4628939"   "4651740"   "4721114"   "4763646"   "4793361"   "4799486"   "4799493"   "4872459"   "4964410"   "5247945"   "5271392"   "5300093"   "5334222"   "5427112"   "5518001"   "5529578"   "5540727"   "5554177"   "5584868"   "5607460"   "5685317"   "5700283"   "5716382"   "5725559"   "5749907"   "5792195"   "5792205"   "5836987"   "5843142"   "5886187"   "5899928"   "5921938"   "5935081"   "5974340"   "5987352"   "6006132"   "6044299"   "6058329"   "6080187"   "6119040"   "6198968"   "6254544"   "6256536"   "6263241"   "6295365"   "6298267"   "6409675"   "6453201"   "6643548").PN. OR ("7052466"). URP.N.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 14:37
S86	20	("20040230243"   "20050043763"   "20070049975"   "20070049977"   "20070156190"   "4180078"   "4438772"   "4672977"   "5163427"   "5188105"   "5372139"   "5470345"   "5554177"   "5683432"   "6236882"   "6478744"   "6527729"   "6869404"   "7035684"   "7424321").PN. OR ("7682316").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/08 20:30
S87	4	("20040220487"   "4840183"   "6527729"   "7260429").PN. OR ("7668589").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/08 20:30
S88	17	("20020151938"   "20030105497"   "20040167416"   "20040220460"   "20040230129"   "20040230229"   "5331966"   "5836987"   "6174278"   "6198952"   "6400982"   "6409675"   "6440082"   "6477406"   "6527729"   "6752765"   "6869404").PN. OR ("7559900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/08 20:30
S89	127	("20020001390"   "20020035337"   "20020082645"   "20020107450"   "20020147401"   "20020151812"   "20020151938"   "20030055352"   "20030069608"   "20030072458"   "20030078624"   "20030093002"   "20030093003"   "20030105497"   "20030120159"   "20030158492"   "20030176896"   "20030208240"   "20030216620"   "20030229289"   "20040024423"   "20040039295"   "20040039419"   "20040039420"   "20040064056"   "20040073093"   "20040106960"   "20040106961"   "20040122484"   "20040127792"   "20040138572"   "20040167417"   "20040215264"   "20040225332"   "20040236239"   "20040254481"   "20040267147"   "20040267148"   "20050027323"   "20050033190"   "20050060001"   "20050102001"   "20050148896"   "20050148897"   "20050149136"   "20060020294"   "20060020295"   "20060025699"	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/08 20:30

		"20060161070"   "20060282000"   "4094308"   "4289141"   "4428380"   "4446872"   "4548204"   "4628939"   "4649930"   "4763646"   "4905706"   "4915113"   "4967760"   "4981139"   "4989611"   "5010889"   "5025809"   "5159932"   "5218969"   "5301679"   "5337752"   "5472453"   "5496361"   "5544661"   "5554177"   "5593431"   "5674256"   "5685317"   "5687738"   "5697375"   "5700283"   "5725562"   "5792195"   "5836987"   "5860933"   "5911738"   "5935081"   "5991661"   "6002777"   "6022963"   "6044297"   "6044298"   "6044299"   "6053872"   "6058329"   "6064910"   "6076015"   "6077227"   "6152884"   "6193668"   "6208900"   "6298269"   "6351672"   "6366811"   "6368283"   "6409675"   "6415033"   "6440082"   "6466821"   "6477406".PN. OR ("6478746"   "6520924"   "6527729"   "6567700"   "6625493"   "6626842"   "6643548"   "6650940"   "6658292"   "6665564"   "6795732"   "6810287"   "6824519"   "6845263"   "6885889"   "7115096"   "7123962"   "7248923").PN. OR ("7424321").URPN.				
S90	13	("20040032957"   "20040039420"   "4362164" "4528689"   "4576179"   "5086776"   "5685317"   "5727549"   "5813404"   "6050950"   "6757392"   "7110804"   "7181628").PN. OR ("7302290").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/08 20:30
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S97	48	("4830006"   "4905706"   "5012815"   "5466254"   "5476483"   "5554177"   "5687738"   "5700283"   "6044298"   "6190324"   "6409675"   "6411840").PN. OR ("6643548").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/08 20:30
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S99	301	S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96 S97 S98	USPAT	OR	ON	2010/08/08 20:30
S100	301	S99	USPAT	OR	ON	2010/08/08 20:30
S101	59	("3623486"   "3631860"   "3738369"   "4066086"   "4208008"   "4432360"   "4600017"   "4628939"   "4651740"   "4721114"   "4763646"   "4793361"   "4799486"   "4799493"   "4872459"   "4964410"   "5247945"   "5271392"   "5300093"   "5334222"   "5427112"   "5518001"   "5529578"   "5540727"   "5554177"   "5584868"   "5607460"   "5685317"   "5700283"   "5716382"   "5725559"   "5749907"   "5792195"   "5792205"   "5836987"   "5843142"   "5888187"   "5899928"   "5921938"   "5935081"   "5974340"   "5987352"   "6006132"   "6044299"   "6058329"   "6080187"   "6119040"   "6198968"   "6254544"   "6256536"   "6263241"   "6295365"   "6298267"   "6409675"   "6453201"   "6643548").PN. OR ("7052466"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/08 20:30
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S104	117	("4257423"   "4374382"   "4428378"   "4556063"   "4600017"   "4708143"   "4763646"   "5012815"   "5024222"   "5025809"   "5052388"   "5127404"   "5156157"   "5183040"   "5301679"   "5334220"   "5334222"   "5340361"   "5411531").PN. OR ("5554177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/09 08:17
S105	47	("4140132"   "4428378"   "4662377"   "4686988"   "4712555"   "4774950"   "4790317"   "4821723"   "4936304"   "4967748"   "4989602"   "5014697"   "5014700"   "5031615"   "5040534"   "5044366"   "5109842"   "5304208"   "B14232679").PN. OR ("5496361").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/09 08:20
S106	12	(US-5935081-\$ or US-6792308-\$ or US- 6643548-\$ or US-7139609-\$ or US-7079896-\$ or US-7035684-\$ or US-6044299-\$ or US- 5687738-\$ or US-5685317-\$ or US-5554177-\$ or US-5496361-\$ or US-5836987-\$).did.	USPAT	OR	ON	2010/08/09 08:51
S107	2	S106 and morphology	USPAT	OR	ON	2010/08/09 09:46
S108	1974	((607/17) or (600/513,528)).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/21 14:25
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